



**ENVIRONMENTAL SERVICES UTILITY  
BOARD MEETING  
JANUARY 17TH, 2023  
SUMMARY OF MINUTES**

The meeting for Kankakee Environmental Services Utility was held on Tuesday, January 17th, 2023 at 5:30 P.M. in the Public Safety Building

**ESU Members Present**

Mayor Chris Curtis  
Clerk Stacy Gall  
Ald Carmen Lewis  
Ald Mike Prude  
Ald Mike O'Brien  
Ald Larry Osenga  
Ald Danita Swanson  
Ald Kelly Johnson  
Ald Reginald Jones

**Additional Aldermen Present**

Ald Lance Marczak  
Ald Mike Cobbs

**Staff Present**

Clara Hall, Tech Ops Mgr  
Zach Newton, GIS/Ops Mgr  
James Lopez, DPW Ops Mgr  
Frank Hasik, Ops Mgr  
Ryan McGinnis, Ops Mgr  
Elizabeth Kubal, Comptroller

**CALL TO ORDER**

**MAYOR CURTIS:**

Good evening everyone. We will call the Environmental Services Utility Board Meeting to order for Tuesday, January 17th, 2023. We will start with public comments. Any public comments today? Seeing none, we'll move on to Roll Call

## ROLL CALL

**CLARA HALL:** Ald Lewis - Present Ald Swanson – Present  
Ald Prude – *(in after roll call)* Ald Johnson - Present  
Ald O’Brien – *(walked in during RC)* Ald Jones - *(in after roll call)*  
Ald Osenga – Present Clerk Gall – Present  
Mayor Curtis - Present  
**PRESENT: 6 ABSENT: 0**

## APPROVAL OF MINUTES

**MAYOR CURTIS:** We do have a quorum? You have in front of you the minutes from the is there a motion to approve the minutes from December 19<sup>th</sup>, 2022.

**ALD OSENGA:** So move.

**ALD JOHNSON:** I will second.

**MAYOR CURTIS:** We have a motion by Alderman Osenga and a second by Alderwoman Johnson. Is there any questions, comments changes or additions to the minutes Seeing none, roll call.

## ROLL CALL

**CLARA HALL:** Ald Lewis - Aye Ald Swanson – Aye  
Ald Prude – *(in after roll call)* Ald Johnson - Aye  
Ald O’Brien – Aye Ald Jones - *(in after roll call)*  
Ald Osenga – Aye Clerk Gall – Aye  
Mayor Curtis - Aye  
**AYES: 7 IN LATE: 2 ABSENT: 0**

## APPROVAL OF BILLS

**MAYOR CURTIS:** Minutes are approved. Next, we're going to go into the bills you should have in front of you the bills from January 17<sup>th</sup>, 2023 for ESU totaling in the amount of \$608,544.89. Is there a motion to approve the bills?

**ALD SWANSON:** I'll make that motion.

**ALD LEWIS:** Second.

**MAYOR CURTIS:** We have a motion from Alderwoman Swanson and a have a second from Alderwoman Lewis. Is there any questions comments about the bills?

**ALD OSENGA:** At the very end there were Wentworth Tire Service at a local company. The very last bill.

**MAYOR CURTIS:** Yeah, I'm looking here. If I remember correctly, the Wentworth I believe those are tires for the.

**JAMES LOPEZ:** *(Explains...inaudible)*

**MAYOR CURTIS:** Okay, thank you sir. Any other questions regarding the bills? Hearing none, roll call.

**CLARA HALL:**

Ald Lewis - Aye	Ald Swanson - Aye
Ald Prude <i>-(in after roll call)</i>	Ald Johnson - Aye
Ald O'Brien - Aye	Ald Jones - Aye
Ald Osenga - Aye	Clerk Gall - Aye <i>(abstain on #32990)</i>

**AYES: 7      IN LATE: 1      NAYS: 0**

## MONTHLY ACTIVITY REPORTS

**MAYOR CURTIS:** Bills are approved. We'll move on to Item 5A and we'll get into the monthly activity. We'll start with Mr. Lopez. Would you like to give us a report for DPW please?

**JAMES LOPEZ:** Everything's pretty much in the report. But I want to add that I was looking into renting a forestry machine to do the retention ponds with the overgrowth in the west side. Mainly and some in some overgrown lots but with the weather being so nice. The ground was hard enough for me to get the machinery in there and I didn't want to get it stuck. So, we're waiting till it freezes so we can do the retention ponds and report that Zach's got to do. But that's all.

**MAYOR CURTIS:** Can give us a quick update you've moved a lot of your equipment for the winter months into we are now into to give everyone an update. If you remember it feels like it's probably well over a year now but we had the Entrance Avenue building that the city of Kankakee owned that has been completed now. They passed all their inspections, they got their occupancy permit and they're occupying it and the portion about 5500 square feet that DPW now has for the next five years if you want to talk about that and how to work it out.

**JAMES LOPEZ:** So yeah, so we moved all our fall in summer stuff in there, which we have plenty of room we also the fire department has got their trailer in there as well. We have our spare trucks in there to make room at our facility so that we can get our trucks in and out faster and easier during snowstorms and it's pretty nice if anybody wants

a walkthrough. Give me a call. We can make arrangements to show you guys as he did it. They did an outstanding job.

**MAYOR CURTIS:**

So, we'll get some pictures out there but the before and after renovation of the building is quite spectacular but I notice space that DPW is in is like most of the building but it's nice, it's clean. It's bright, it's warm.

**JAMES LOPEZ:**

We definitely outgrown the facility out there and so, this makes a lot of room for us. Just to maneuver trucks because we're parking sideways in our buildings but now we can actually get to stuff which is nice.

**MAYOR CURTIS:**

And that allows our equipment that we don't use in the winter to be make sure it's out of the weather and stored in a good place. So hopefully that'll create an extra year or two life-span on them. So, Alderman Jones?

**ALD JONES:**

Yes sir. Thanks. I want to be the bearer of bad news. It looks really, really, nice that the bowling alleys gone. However, there's more to do. I believe you the man that knows how to hand the concrete.

**MAYOR CURTIS:**

Yeah, that's gonna be a project in itself.

**JAMES LOPEZ:**

The removal of it.

**MAYOR CURTIS:**

Yeah, that's a whole other thing we have to talk about because it's just not as simple as removing the Asphalt that was sitting at the Avis Huff Motel site. That is concrete. Foundations deep pits, different things are so we've got to get into see what that all means for clearing that out but that's going to take some time. Right now, I think the biggest, at least in my opinion, the biggest thing that we need to look at next is how do we beautify the west wall of the Hispanic grocery store that's there. So that that at least looks good, and then we'll have to figure out going forward. But I think that projects probably a lot bigger than DPW. We're gonna have to probably talk to somebody, a contractor about how we remove some of that stuff. That's my opinion, but I haven't even talked to DPW about that. Yeah, because that's a much harder thing.

**ALD JONES:**

Okay, Thanks Mayor.

**ALD OSENGA:**

Mayor, I got a walk-through of the new facility we have over there. It's, it's very nice. Everybody should walk through it. PSI did a great job. there. We had quite an eyesore in the 5th Ward. They've

totally redone it and I don't know 1.2/\$1.5 million. They do a phenomenal job there. Now. It's a big improvement, our community.

**MAYOR CURTIS:**

Is there any other questions for Mr. Lopez?

**ALD MARCZAK:**

Where are the retention ponds?

**JAMES LOPEZ:**

The retention ponds are on the west side of Gracefield on Roosevelt. The reservoir dead ends and there's also one on the dead end of Yates. There's some out in the new subdivision, in our Indian Meadows. And then we have overgrown lots in the seventh Ward on Moore Street. That this machine, we rent a tiger, but this is an actual like mulcher where it's on a skid steer, it comes up in mulches and leaves it mulched instead of a stomp. So, our machines can get in there. Our goal is to make it so that our lawn mowers can get in there and just mow.

**MAYOR CURTIS:**

Any other questions. Thank you. Next, we will move on to Technical Services report. Miss Hall, would you like to lead us?

**CLARA HALL:**

Good evening. Thank you. I just wanted to address a couple of questions that the Aldermen have had, I wasn't here at the last meeting, so I did make contact with Alderman Osenga regarding his concerns at the intersections. Those are all state projects. We have no control over them. But once they are completed, then we'll be able to maintain them. So, at Court/Station, Court/Wall, Court/Curtis, and Court/Kennedy. They're installing audio, pedestrian buttons and cameras. So as soon as that project is over we will be able to maintain them. On Christmas Eve there was a couple of accidents. The main accident was the cabinet on Harrison and Chestnut. However, that driver did have insurance so we will be able to bill the insurance company for that cabinet. It will be over \$22K. We also had a streetlight pole knocked down on Route 50/Fair Street that same weekend. It was a really busy weekend, when that cold weather came in. Alderman Jones, I did get your message today. On the 500 block of Fairmont those are Com Ed Poles and I will see if I can expedite those. Alderwoman Swanson, I'm just going down the list. The meeting in November you were asking about that line item that's 138% I believe is Technical Maintenance. There is something in that line item that I spoke to Elizabeth's department about. We're going to reclassify about \$3,000 of that. It wasn't anything from ARPA, it as the sirens Historically, there were different account numbers used for that item over the last six years. So, we are going to put it in contractual services. I spoke to the Mayor about that today. The

Depot cables are still up from the roof project. I have made a second request to have those removed. Com Ed is asking for patience. They have been extremely busy. He hopes to have that down this week. And last but not least, I want to say a special thank you to Zach that will never say anything but I know I bugged him a lot this year about the Christmas decorations. They're a special group of people to work with. When I get an idea's they get behind me and I appreciate that. So, thank you to Zach, the Sewer Crew, Kyle, Eric and especially Jim Hand. And that's all I have.

**MAYOR CURTIS:**

Are there any questions. First of all, I will say that they're already thinking about Christmas decorations for next year. It's hard to hard to believe that but now's the time to start looking at purchasing and they've already done some that because you've got your severely discounted cost rate after the holiday season and the goal is we talked about before and I did relate this morning. We hopefully within partnership with KDC will continue to buy more street lighting, let's say Street Lighting, Street Christmas decorations. The ultimate goal is to get them basically from the River on the south end to Schuyler all the way up to the railroad tracks in the north and the Schuyler and eventually we'll call it whether it's Fifth Avenue or Kennedy to the west on Court Street all the way to I-57 on the East Side. So that's going to take us several years. We can't purchase all lights at one time with the budget but if we can each year pick up another 20 or 25 along the line. We'll continue doing that process and hopefully the goal is maybe wake up in 25 or 26 somewhere and have those two main thoroughfares completely decorated when you get off the interstate or anywhere that you're through town. So, we'd like to continue to go west all the way to at some point in neutral in that way to do so. Alderman Jones?

**ALD JONES:**

How much are the snowflakes?

**MAYOR CURTIS:**

You probably know that better...

**CLARA HALL:**

So, the 5ft snowflakes that we just odered, they were \$409.00 each and that was a special price. So, it accumulates a large balance really fast.

**Mayor Curtis:**

This year we purchased approximately I'm going to say a just a little bit over 25 - \$26,000 in lights but we're sharing that cost with Kankakee Development Corporation So this series is about \$13,000 cost along with Kankakee Corporation. When we get to other areas along Court Street, it's gonna be kind on us and we can look at maybe the East Side Business Councils and things there,



but KDC can only allocate funds within their downtown area, that's almost all decorated there. There might be a few more they can do but we want to reach out to some other areas.

**CLARA HALL:** Thank you

**MAYOR CURTIS:** Thank you. Next, we will go into Sewer Services. Zach, If you'd like to lead us through that?

**ZACH NEWTON:** December was another really good month for proactive area planning. Almost six and a half miles done. I also would like to call your attention to Stonestreet H2S chart. We've been able to put together a compilation of March through December and the H2S at Stone Street for the past couple of months. It's been really good. So, I hope that trend continues but you can see how it's been ups and downs for the better part of the year.

**MAYOR CURTIS:** If we can stand that just a second for everyone who doesn't know what the H2S because can you explain to basically it's basically a gas correct

**ZACH NEWTON:** Hydrogen Sulfide correct me if I misspeak but yeah, I just decided to gas. It's corrosive in large amounts it can be harmful.

**MAYOR CURTIS:** So, we get really concerned because it seems to be doing anything that's metal, it seems to corrode a lot quicker. And then even from the service of personnel having to go in there and do work. They can't get in there when the levels are high. It's too dangerous for them so, that's a really try to monitor that with some local industries of keeping those levels well below what they should eat just for the general overall maintenance of Stone Street and for the safety and protection of the workers that are so

**ZACH NEWTON:** Yeah, that's what the red lines are on the on the chart. The lower red line is five parts per million. That's when the scrubber turns on to clean the air, and the red line at 10 parts per million is when it's unsafe for us to enter into the wet well. So, when it gets above that, then we'll go down.

**MAYOR CURTIS:** Alderwoman Johnson had a question?

**ALD JOHNSON:** So, when it is; that when it smells?

**ZACH NEWTON:** Yes.

**MAYOR CURTIS:** So, between Zach, Ryan, Mr. Struthers from KARMA, some other people they're all working together with the industries to try to figure out a solution. As I said it's been down a little bit but we need to make sure that stays down at that level not just every so often but consistently going forward. So, they're working diligently to try and solve that answer.

**ZACH NEWTON:** So, we continue to work towards that goal. Switching gears, a little bit to the hydro. The monthly reports to the EIA have been filed. Some of the yearly reporting is now open. So, our EA 860 that we have to do every year that's been reported. Some of the some of the reports that we have to do as far as dam safety, like the dam safety surveillance monitoring program that has been turned in and the pre-licensing for the hydro license, we're working on that now. That is very close to being done. That kind of kick starts the hydro licensing process. So, from there, it'll be a six to eight-year process and we'll go through what FERC tells us that they would like to see from us as far as studies and public meetings and how that goes as far as licensing the hydro. The I&I televising and cleaning is done in Riverview and we've got some good data. Joe's got a presentation on that later. Building Maintenance has mostly been focused on salt shed and DPW. But I think there's only one and I think it's a real good thing that gives us an in-house talent to help out departments. I appreciate the help that they give us. And the last thing I'd like to draw your attention to is a couple of pictures on the last page of the report. Just want to reiterate, you know why we go out and we televise sewer halls. You know, we get a sewer call from residents we go out and we can see it's not our main line. We put a camera in there anyway because if we're lucky we can see routes or whatever it is that might be blocking the lateral right at the end. So, residents they call a plumber right up the line. More often than not, they push those routes into our main line. And if we just leave them be then that becomes a problem for us because it will just continue to collect debris until it backs up our mainline. So that's why we do what we do.

**MAYOR CURTIS:** Zach, what's the picture on the bottom with all the roots? Where's that?

**ZACH NEWTON:** That was on Industrial?

**MAYOR CURTIS:** So that's what came out of the sewer line.

**ZACH NEWTON:** That's what came out of the resident's lateral and into our main line.



**MAYOR CURTIS:** Any questions for Zach?

**ALD OSENGA:** When a router company push this out into our main line, do they have any responsibility here.

**ZACH NEWTON:** I mean it's just something that they got it you know, I mean, I don't think that they're not trying to do it on purpose. If they can grind it up into smaller pieces, great. But a lot of times, you know it just those, those augers catch the roots and just rip them you know, just is what it is.

**ALD OSENGA:** Okay, thank you.

**MAYOR CURTIS:** Any other questions? Zach, if you need to take off that's fine. So right, next we will move on to Lab Services report.

**RYAN MCGINNIS:** Thank you, Mayor. Just a few updates. The ICP is up and going. Everything's running along with that we are seeing some speed and efficiency improvements with that. So that's very good. The Lab truck we were able to finally receive that. So, there was a few delays in that but we're training so we're really happy with it. So, I appreciate you bringing that change there. As mayor and Zach could said we are working on that H2S issue trying to get that solves that. Hopefully that corner doesn't small and we're not continually damaging our infrastructure. Nonetheless, last thing I want to update you on was CSL. CSL has completed their last stage of their wastewater improvements that they were making. So, what that means for us financially is that we will see less income from their surcharge amounts. What I'm seeing so far is that their flows are up from what they were last year. So, they kind of offset in some ways, so love to see how that plays out as they continue to work with these improvements. But as of now they're maintaining still somewhere around the same level of income.

**MAYOR CURTIS:** You said the BOD's and some of the or things are down but because the flow is up that's kind of balancing it out a little bit.

**RYAN MCGINNIS:** Yeah, so, we're receiving less revenue from the BOD side of the equation, but because their flows are up, we're able to charge for that. So, the kind of offsetting, I think this month was about \$40,000 less in terms of surcharge value that we got from that and their ammonia levels are down to nearly nothing, which is a good thing for KARMA. But that means we're not able to charge for that. So, there's some offsetting there but like I said they're flows are up from where they were traditionally. So those revenues kind of offset that.

**MAYOR CURTIS:**

We will have to look at that very closely as we go into budgeting year. As I said, it's, it's a good thing overall. Karma needs the pretreatment from large facilities like that when they do that so they don't send us heavy. We'll call it the wastewater down there. But obviously, it can potentially affect us financially, which it's a good thing overall, we just have to analyze what it means to assign a level and we'll do that with control a curveball. And Ryan as we start working on the budget for 23/24. So, any questions for Ryan? Thank you. Okay, next we're going to move into Financials. That's okay. Did anyone not yet financial report like I tried to pass I'm gonna at this time I'm gonna turn it over to Comptroller Kubal and if you can lead us through the financials.

### **FINANCIAL REPORT**

**ELIZABETH KUBAL:**

Financials for November 31<sup>st</sup>, 2022. Just like when we talked about last week, if budget were at the eight-month point, which is approximately 66.6% If everything was spent equally, which very rarely happens. As you go down through the line items, you can see that the same trends are trending and overtime in general in the ESU for the month of December was very kind to us. As we know we had some weather at the beginning. But then that kind of trickled off and we know we are in some pattern I think of I don't remember how many days I just heard the meteorologist say how many days it is that we've been above temperatures. And since really, the end of December. I think that's when that started. So, we're starting to see some of that trickle through especially into January. When we see those numbers next month. As you go down, I have really nothing to report for the for the whole first department of 10. We are working this week. I'm hoping to make phone calls to some of the managers within the ESU to talk about administration. Charges I am digging in again as I'm trying to bring the Assistant Comptroller up to speed as she is new and trying to learn and I've been studying some bills and there's just some things that I want to make sure we're all on the same page. I'm especially as we get ready to go into budgets. So that's what I'll be talking about with the managers and getting us all on the same page and making sure that I understand what gets charged there. And those are the things that go into this category. As you go to the end. Right now, we're just at 50% which means we're under budget, which is very good. Going into the sewer services group is 20 they're at 61.4%. They have a couple of line items that are on the little bit of higher side, but then they have many, many items that are well below where we're supposed to be at this time of year. So, like I said, as we have our meetings and along with the

Assistant Comptroller, we will all be very clear on what goes into all those line items and making sure that we really put forth a really solid budget when it comes to that time. Waste Water at the bottom the page of course is right on track as we pay that monthly to KARMA. Top of page two Technical Services 62.3% Many of their line items are perfectly in in the realm of where they're supposed to be a little high on some salaries. Once again, we'll take some analysis to that come budget here in the next couple of weeks. 40 a Laboratory Services the department toward the bottom at 58.6% trending very well. And the last one is of course the bond amortization which is done monthly so we'll be perfectly timely at 66.7%. Going to the top of page three, the Public Works group. We've got that total overall 62.8% really, really pleased where we're at so far. If weather continues to hold as I like to call them the pennies from heaven if they stay away. That will help us overall with the budget of course, but we'll take that as it comes. I'm really excited to already been working on budget. I know they have been in DPW and we're going to be getting together here soon. Myself and all the managers but just really excited about this budget season coming up when you go into revenues. Ryan alluded that we're going to begin to start watching not only CSL but some other clients of ours very closely for this upcoming year. I do believe that we will be forecasting a lower revenue as Ryan alluded to, and we will have to really understand the budget very closely this year. I think it's gonna be really important that we get those numbers spot on. We know that insurances go up, we know that salaries go up per union contracts, and we're going to have to really make sure that we have each of those line items, some of those ones that say 20 or 30%. We're going to be taking a hard look at you know, is this budgeted correctly. Did we over budget here? You know, what was the intention here? Was there a project that was delayed? We're going to have a lot of questions on these line items going forward to make sure that we can then find the expenses to offset the revenues that I do believe we'll be down for fiscal 24. But as of fiscal 23, we are trending very, very well right now, you can see that the first three columns are first three, line items of our residential sewer, industrial and solid waste fees are some are a little bit higher. Some are just pretty close to on par for the month because there is a month lag there. This is Assistant Comptroller and I have been looking she's been working so hard and getting the AR balance to perfection to figure out where that that amount really is right now. And along with that then we do have some injuries we still have to tweak in this area. But we are getting very, very close and looking forward to that coming to completion. But right now, through when we saw the numbers in industrial it's still very, very, strong as of as of right now. You can

see the total revenues at 67.9%. We will return to the cash balances on the statement in the month of February. There have not been a lot of changes, but we need to get the capital balance trued up. I'm working with Tammy on that for my office so we can do that. And that along with that then we will be doing to get in the right place for April 30. Whatever capital transfer needs to happen from the operating to the capital account. We always do that about twice a year. We need to make sure we get that trued up. any questions?  
Alderman Jones?

**ALD JONES:** I'm looking at the vehicle maintenance repair.

**ELIZABETH KUBAL:** Which department?

**ALD JONES:** That will be 572. Do we have something major?

**ELIZABETH KUBAL:** In public works?

**ALD JONES:** Right, well, I'm seeing the maintenance repair. We did some that we need to we are at three I'm just trying to see.

**JAMES LOPEZ:** Our vehicles are a lot older (*inaudible*).

**ALD JONES:** We might need to start looking at that.

**JAMES LOPEZ:** They're older they take may take a little more, more money to keep rolling.

**ALD JONES:** I get it but that's what I'm wondering. Is it something that we need to look at it maybe updating the fleet

**MAYOR CURTIS:** I will say yeah, so they have they have talked to us. This was something even the predecessors. Mr. Dear, Mr. Doyle did express that. A lot of these vehicles are 10,15,20 years old to a lot like our police in the fire, and they have been requesting capital for them. So, there are some things where there isn't capital lists here, the dump bodies that are on order they take a while to get they'll get the actual vehicles themselves. They are older and are taking a lot of loving intending care and we're trying to figure out how to get some things through ESU capital on that. They did buy a used vehicle, I think from the county. Probably, you know, here to try to instead of buying brand new but again that comes with being older and needing some repairs to that fine line that we're trying to deal with right now. There's a lot of what I call things that we run through issue capital that need attention. So, the depot roof couple \$100,000 Because we were leaking, quite frankly, not to be very

happy worth ESU is sitting as of today, but I'm really concerned for the future. We have a lot of what I call projects that need to be addressed that are exciting. They're not sexy. The public doesn't think much of them but we're going to hear about it tonight. We have our sewer lines which no one sees sewer lines as long as your toilet flushes, you're happy. But there's a lot of repair that needs to be done under the ground. All the fire station roofs are aging out. They haven't been redone, you know, reformed last 2025 years. All those are some that are worse than others. Quite frankly, the roof on this building here was done in 2008. And we've got some issues that are already starting to happen at this facility here. Willow street where we do record storage rough there sealcoating, the parking lots a lot of stuff that I call his routine maintenance that we need to be doing so often and coming up with a capital plan and so that's one thing we're working on is trying to come up with a five and 10-year capital plan. How do we do all these things and as well as things that we have to spend some money on as a city. But as Alderman, it's not really exciting and go to your constituents and sit there and say hey, look what we did. We spent \$800,000 on roofs and they go really, they don't think of it that way. But those are things that we really have to address including DPW equipment. So, we are looking at hard at that and we're going to have to start looking at how we do one at a time. Vehicles, new \$200,000. So, a dump truck isn't cheap. Fire trucks are expensive. So, our dump trucks, they're just they're expensive too. So, but yes, there's always something we're addressing, but I don't know we have a solution yet. Any other questions?

## **OLD BUSINESS**

### **MAYOR CURTIS:**

Okay. All right, we will move on to old business and that is we have under the hydro plan. I want to give a little bit more of a thorough update where we're at. I brought this tonight. I guess this starts to get to be a little bit exciting stuff where we're starting to get the reports. So, Zach is working very diligently on this. The first report that they did was basically what Zack talked about earlier to the hydroelectric project dam safety inspection report which is this. I asked him to reduce it to this, which was a lot easier. And this is the first piece that comes in and this is what we're gonna need to get all these estimates so we can figure out how to fix the hydro dam with a total overall project cost. The state report is being recommended that we need to fix this these things within the next two years. Budgetary on this line item is about \$250,000 So this has to do with a lot of things that are outside the hydroponic and retaining walls, the down surface and downstream and some other things so that has come in. We also did receive the

underwater inspection report. This is when they put the scuba divers out there and started researching everything underwater. I don't have a number yet they're working on that but I will say overall found very little wrong with underwater. A couple little things but nothing will call major substance so that's good news. And then as that mentioned, we hope for them. I'm gonna say 60 days but can be as soon as 30 days. We expect to get the overall evaluation of the entire hydro plant and then an engineer's estimate that we can put together with trying to understand what the overall project cost would be for the hydro plant timeline. We are chasing some grants we're trying to figure out if there's a way we can get some grant funding for this. I did meet with Senator Joyce this morning and he's continuing to try to work some projects with green initiatives to see if we can get water thrown in there with wind and solar but it's like everybody, everybody wants some money. So, but he's working on that and we'll just keep looking at every angle that we can to get the hydro plant back up and running. So ultimate goal. Ideally, I'd love to sit there and say that hopefully by maybe summer or something we could go out for bid. Maybe go off a bit sooner starts in construction and expect at 12-18 months that we could have the hydro plant up and running again. Ideally, wait 24 maybe 25. That sounds like a long way off. But really two years is a much for a large project like that. We're also understanding in talking to Zach today, there's a question of even we'll call it the turbines or the screw pumps there and stuff. There's new technology out there of how that should be we're not even so sure we want to use the ones that are there now. It's like anything a computer 25 years ago, was pretty sophisticated. It's now a doorway. If you use a five-year old computer, hydro technology has changed even how they suck up. The water and draw it in and everything that there's new, new technology, it lasts longer than everything. So that's part of the analysis that they're doing now that may just be a lot of replacement parts on it to make sure it lasts in our 25 to 30 years going forward. So that's kind of the update is coming in. It seems like it's taking a while but the reports are starting to come in now. Anyone has any questions on Hydro?

## **NEW BUSINESS**

### **MAYOR CURSTIS:**

We will move into new business. We're gonna start with a presentation. We have Mr. Joe Sullivan from Robinson come up just to give everybody a little background I mean get other way so he can report. If you remember we did the manhole inspections last summer. They came up and found the engineers estimate was \$700k they thought we went out for bid came in about somewhere around \$648k or \$650,000k to do all the repairs. What they



thought were the most important manhole inspections. Some of that work didn't take place here in the fall. It's on a pause right now is we're in the winter months and that'll start back up again in the spring I believe correct? So that we did allocate ARPA money for the manhole inspections. They have now completed the second part which is the sewer. We'll call it sewer learning or the sewer inspections or sewer line inspections. And I'm gonna have Mr. Sullivan show you some what I think is good and very interesting videos and then I sat there and said why I was excited to see the videos and it lets us know what's going on underneath and my head started spinning. I don't know I want to see these videos because it told me that we have a lot of issues underneath our roads that we need to address quickly. So, I'm gonna let him give an inspection report.

**JOE SULLIVAN:**

Thanks for having me here tonight. Is it okay if we lower the lights down a little bit up here to? Okay, can everyone see okay all right. So, as the Mayor had mentioned, this is a status update of the Kankakee sewer investigation and rehabilitation program, lower Riverview it also includes Hillcrest, we started this program last March. So, this is going out about 10 months of work that we're kind of given an update on the program. So, we had our kickoff meeting as the Mayor mentioned the manhole inspections are 100% completed. We did do a CC cleaning and televising bid package. We went out for bids with that. We bid all that work out the CC TV portion is actually about 95 closer to 100%. Done. We're just working through the final details on that. The manhole rehab. We did the bid package. They did start some of the work this past fall. And then we're going to talk a little bit about the sewer lining, which is part of the program as well. So, this is a manhole it's a little bit hard to see up here but there's some there's some roots that are coming into the manhole walls here. There are some leaks that you see up here some leaks coming in along that joint. This is what the manhole looks like afterward. A cementitious coating was applied. So, it's a structural liner for that manhole. This was one of the first 16 they did this past fall the work will again resume probably in March or April. The cleaning and televising as I mentioned is 95% Complete debt 79,000 feet of sewer video that was televised and reviewed. We reviewed the fifth the contractors fifth invoice this past week, roughly 218,000 Out of the 223,000 overall bid amount. There was one punch list item last week that they addressed. There was some debris that washed downstream of the project area. They came back out they got all that debris out. They're televise it at no additional charge so it was a it was a good item dress for the city. So, our reviewers who reviewed the 79,000 feet of video had kind of a lining priority

recommendation in mind. So, lining has become the industry standard for rehabilitating a pipe. You don't have to dig them up you can put this liner through it gives you 50 to 100 years more design life to your sewer system. We also will talk about some of the gushers which are severe infiltration and inflow water getting into the sewer and then some of the collapses which will need to be dug up. So, this is a sewer video. This is under the railroad just southwest of the cemetery off of Court Street and you see there's water just gushing in. At that joint. This is a ductile iron pipe. And the joints are only every 20 feet so you could see that that amount of water coming in there is that's just driving up the costs at KARMA for your wastewater treatment. So that's clean water, rainwater groundwater, that's going into the sewer. This would be a good candidate for lining. That yeah, that's deep enough. That's probably 2530 foot deep out there. So that's groundwater that's happening 365 days out of the year. This is over on Gordon Avenue. He could see the pipe has just completely collapsed. There's not a lot of houses upstream of this point. So, there's not a lot of flow that would be backing up and causing sewage into people's basements or basement backup or a sewage overflow. But it is something that has to be addressed because eventually this will lead to a sinkhole and a bus could be driving down the street and boom just the hole would open up right underneath the pavement. I could give you an exact location This will have to be dug up. Yeah, that that's pinpointed right here. I can't see the cross street in this little view. It's a little bit cut off but that would be one that would have to be dug up. You can't you can't get a liner through something that's completely collapsed. This next one is located at I'm Cobb Boulevard. This is coming right out of the water treatment plant from Aqua. So that service that you see there could be an old service from the plant that was abandoned. The amount of flow is not even coming through the pipe. It's coming from around the pipe. I would suspect this is possibly a water main that's leaking they have some large Oh, that's the that's the robotic voice that the TV camera operator uses to code the defects you can see it's even leaking from the hairline crack. There's just so much water pressure that it's just pouring in. Nonstop and again, this this leak is 365 days a year. So, the three lakes I'm showing you tonight probably at an easy would be 300 gallons per minute you add that up over the course of 12 months. That's you know that's a significant amount that you're paying for it at KARMA. My assessment is that it could be a water main leak and it just never surfaces. You know, most water mains when they break there's a big you know, a burst and you see coming up through the ground but if you have a sewer that's able to take it it'll never surface. Um, it is very close to the river to I mean, everyone who knows the

Kankakee River is right here on the other side of the water plant so it could just be high groundwater as well. But that would be something that would be on a pretty you know emergency repair list to get that one taken care of. This next one is pretty similar. This is this sewer line. Here you should see there's two arrows pointing to the two gushers. This is located under a creek on just south of Eagle Street. So, this is also right adjacent to the Kankakee River. This this one again, is probably flowing like this 365-days out of the year. It looks it looks to me like this was potentially a manhole and then maybe during the construction of the sewer line they decided we're not putting a manhole here and they just put a patch over the pipe so that whenever the creek flowing over the sewer just constantly coming into the sewer so those were a few of the highlights. There's actually there's more of them throughout the area but I didn't want to take up too much time tonight. We did as we were reviewing the 80,000 roughly feet of video we came up with recommendations high medium and low priorities for lighting. As I mentioned the lighting will reduce the I&I engineer sewer but it also provides that structural integrity the structural repair that can give you a 50 to 100 years more of design life because we found so much in these areas, we are probably recommending a multi-year program to address this. So, I'll go through a couple of the different cost options. So, Option A is just addressing all the gushers or those major inflow infiltration sources that we saw all the collapses and then sheet one out of eight so we TV, eight sheets that made up the 80,000 feet of sewer so roughly 10,000 feet of sewer per sheet and to give her an idea that she a right there. That's Hillcrest. So, all these sewer lines running north and south that are blue, they're either already been lined or there's some been some repairs and they've been replaced with PVC, the sewer lines in red that we're talking about are these ones out on the periphery. There's an orange one down here, but that would take care of all of Hillcrest plus all those other gushers under the railroad down on Cobb Street and the other locations on Gordon that we talked about. So that's Option A that puts the engineers estimate is roughly \$550,000. I know we're talking about possibly using \$600,000 of the ARPA money to take care of some of these priority deficiencies. So that was Option A that we put together for that. Option B is looking at all the fours and fives and naturally, you're well on here but there's a legend so all fours and fives are in the dark orange and the red. Anywhere you see on the back. All these lines are dark orange or red. So, there's a lot of fours and fives that need to be addressed. Option B is just addressing the five so just the worst of the worst, the gushers and the point repairs that collapses that comes out to about \$3.2 million. Option C addresses all the fours and the five so that you know that really worst tear of

the defects. All the point repairs, all the gushers all the collapses that comes out to about \$4.7 million. I know that's not feasible with the \$600,000 for ARPA that we're talking about allocating but I did put together this slide which is kind of a summary of below in low interest loan from the APA state revolving funds. So, to go for a \$5 million loan first of all, it's only eligible for sewer and water projects to go for a \$5 million loan. The city of Kankakee would be eligible for a 30-year loan because their population is under 25,000 and the median household income is roughly 55% of the state average. Additionally, there would be a \$1.25 million forgiveness for being a disadvantaged community. So that going for a \$5 million loan you could get \$1.25 million knocked off of that right off the bat. In first a conventional or traditional bond at 4%. You would see a savings of roughly 3.9 million over the life of that 30-year loan. So that's something that talked about something for you guys to consider there is roughly \$5 million worth of repairs that we've identified. This would be a good route to go a lot of communities do choose to go this route. There's a lot of young staff at our office that are specialists on these loan packages. I'm not sure. So, if we were to move forward with Option A, which is the \$550 to \$600,000 range option, we do have a list of proposed bid dates. So, we're pretty much at the 60-75% mark with the lining design package. We could be ready to bid, you know advertisements to the clerk as soon as February 6 Bid advertisement date of February 9. bid opening on February 23, with recommendation to award the following day ESU March 20 and council award on April 3<sup>rd</sup>, so that's kind of our tentative project plan. Well, that's a great segue. I'm actually going to get to that with a little bit of discussion on flow monitoring. So, the answer is yes, there's more areas like that in the city. The short of it is we don't know which areas are the worst. So, I'm actually going to talk about flow monitoring to really address that point. So, flow monitoring. You guys talked a little bit about stone Street in the H2S there. There is actually a permanent flow monitor at Stone Street as well. I think it takes up roughly 60% of the system, maybe 70% of the system. The city did actually purchase three portable flow meters. That we're using right now in the lower river view area over and over in Hillcrest. So, we've talked about the basins before we basically chose lower river view and Hillcrest they were two basins was roughly 1/7 of the city. But the point is we got Stonestreet working. This meter was installed in 2014. It wasn't operational when we first looked at it we put in a new touchpad interface last week so that anybody on the sewer crew can go out there. It's working, download the data. We did have to pull meter one which was one of the portable meters last week for some clue some cleaning that was the punch list item I mentioned.



So, with those four flow meters that you already own that are in place, this is a system map that I put together, it's basically showing 14 different flow meter basins based in 6th and 13th. This is lower river view and in orange space and 613 encompasses Hillcrest and some of the areas near the country club, but like I said that's 1/7 of the city by adding 10 additional flow meters you could put a flow meter at each one of these sewer basin outlets and really measure the flows during the spring wet weather and see which areas are contributing as much I&I as six and 13 as lower river view and where is the next need to go? Where's the need most? Where do you want to go next? I know Zach and some staff believe that the Garr Creek area has a lot of I&I coming in but it could be, you know this basin over to the west or it could be up to the northeast, you don't know until you put a flow meter in and measure it. We're actually put together a budgetary price of about 75,000 to put 10 additional flow meters in for a 90-day monitoring period. Look at what weather look at dry weather, and basically help to dictate the five-year tenure program on your I&I reduction plan and where do you want to go next? So, here's just a schedule of milestone dates. The CIPP real rehabilitation bid that I mentioned, we're looking at possibly doing that February 23 award of that CIPP project at ESU March 20. Council approval on April 3, system wide flow monitoring now's the time to decide on that if you made a decision by February 20th. approval at March 6th, we could be ready to go by April 1st to put those additional 10 flow meters in and measure the flow from the whole city. Yes, you can move those around and that's the plan to measure flows. Actually, the show reduction in flow so as the three flow meters that are installed in lower river view in Hillcrest as the work the construction work is being done, you're going to be able to see the flows coming down. And actually, that's a quantifiable reduction that you can then equate to dollars saved at the karma plant. So yes, you can put those three meters in all those 14 locations but you can't capture the whole city at the same time. And a lot of the flow monitoring, analysis comes in when you're comparing apples to apples. So, you're comparing each base into that same storm. You know, if you get a storm in June, it's a lot different than a storm in February. You know there's higher ground water it's been raining all week in February that the water is not evaporating out of the ground right now. So, if you get a big one and drain now, it's going to have a more significant impact than if you had something in August where it's been you know drought and hot for the last 20 days. (inaudible) that's for lower river view and Hillcrest so just the basins the 80,000 feet that was televised this year. Really no idea why you could project it, but that would just be a projection. So, we Yeah, the whole city has not been televised.

**MAYOR CURTIS:**

So that's about one seven for the city. Yeah. So, I mean, we're not saying that. We're assuming that the area that we started with is the worst because it's by the river. It's also the oldest sewer lines in the city. So, we expect that that's the worst, the worst, but we don't know. I mean, on worst case scenario, you'd say seven times millions. To do the entire city, you would hope that that'd be the worst and maybe some of the other basins which are smaller and everything wouldn't be anywhere near that maybe they'd be 2 million intersection or maybe 1.5 intersection or four intersection but we don't know. I mean, the reality is as I said, it's pretty interesting stuff as he showed you just three of the gushers or several more. It was very interesting video to watch. And then as I sat there, watched in my head started spinning of oh my gosh, how do you repair this and then I go back to what we talked about earlier is it's not sexy. You go to your constituents and say, well, we spent 4.7 million and they go on what? My toilet flushes fire, my sewer goes away, but then you sit there and go, we just provided 50 to 100 years. Life to the city sewer system. Something that hopefully our grandkids won't worry about someday. My thought is kind of waiting to be under new business. Is we talked about we allocated \$600,000 of our money for the manhole repairs. We've also talked about for last summer about another 600,000. Here's my thought was this. We could look at the loans. We can look at the overall but I think that's gonna take some discussion that's gonna take some budget work. That's something that we have to continue to talk about. But as you saw with gushers as I saw those, you almost have to fix those. How do we not fix those right away? We're watching we have video evidence of how much water's coming into the system. So, the thought was is I asked Mr. Sullivan solving if you work out what it would take to fix if your shares the collapse line was over often Gordon that has to be dug up and then also fixing Hillcrest area we're just again taking a small piece of the elephants when you try to fix it. Those red lines are fixed that I think that engineers estimate is about \$550K. So, my call was is at the very least, and then we've gotten to somewhere we've got a quart portable flow meter threat we'll be able to be we're taking readings right now is that he has been taking readings and seeing spikes while you're reading them and will be able to see what those repairs those just on the Russians level. They've identified all our lines in that area. These are the worst of the worst. There might be some small cracks and stuff coming in. But this is the worst of the worst. Can we eliminate 4000 gallons a day with this whatsoever? I put on the agenda, a recommendation for requests for \$600,000 to be sent to the committee for next Monday to talk about ARPA funding for that



like we did before and then what darker videos. Can you hold aside that and then take that that's why I had to back up some of the timeline. Yeah. If ESU recommends it to the committee of whole we take it to the committee a whole if they recommended out to whole city council will take it the full city council in March as we go through the thought process was the last piece is do we want to do the flow monitoring? As I said that it's a big number. It's 70K kind of caught me off guard a little bit to be quite frank, I even wondered who would be buying some of these flow monitors and doing stuff but the thought was is that 550K and 70K. You know, can they you know, are we going 606 25 and getting this all done? According to Article One, and we're gonna be talking next Monday we'll talk about later in counseling, a lot of requests for ARPA money, but this is taking care of specific key problems. Is it going to substantially reduce our problem? I don't think so. Okay, well, I suppose I think it's going to produce I don't think we're going to go up to \$537,000 a month on down to 485,000. I don't think that's going to happen. Okay, say 5000 10,000 I don't know the answer, but I think it's gonna save us a little something. So, I think it's money well spent. To give some lifespan or 15 years in certain parts of the city. Try to reduce the river flow intake of carbon. And we've got some other money that we plan on using for we can still use for itself. I guess my question is, is continued as questions Mr. Sullivan, but I also am looking for a recommendation from this committee to recommend request of at least 600,000. If you want to go with a different number. That's fine too to the committee the whole next Monday to put that on the agenda.

**ALD JONES:**

I'll make that motion to recommend that \$625k.

**ALD OSENGA:**

Mayor, will the \$625K be able to buy those other meters?

**MAYOR CURTIS:**

We will not buy them we will rent them and do a 90 day plan for us and they would do the entire city. Now one of the things. you did mention something like I'm just I'll use your area theory. Let's take your area there. You put one flow meter over there, if you find is there's some heavy infiltration, we could at a certain point, the three that we own are portable flow meters and we could set those up in that particular area. You can get a further defined area.

**JOE SULLIVAN:**

Absolutely. The 14 Basins is breaking up the city into the equally sized basins as much as possible. As the mayor mentioned that one of the basins was significantly higher. That was the next part of the basin. What's the flow meter in the lower river view is done in the rehab work has been done. We've had enough data, you could

definitely move those meters within that base and a break up that one basement three and really kind of pinpoint which areas are worse. We'll get that on base and then as the meters are yours, they they're going to be good for at least 10 to 15 years to move around in the system and use them in that way.

**MAYOR CURTIS:** The one at Stone Street is permanent. The other three are mobile, portable.

**ALD PRUDE:** The question is if we start off with 10 that would cover the whole city that didn't get an accurate reading. Is that amount in that 625K?

**MAYOR CURTIS:** Yes. So, the \$550k for the engineering budget is about \$73,000 to do that work, so that comes up to that \$6.2 It is yes, that would be in Yes.

**ALD SWANSON:** I'll second Alderman Jones's motion for \$625,000 recommendation.

**MAYOR CURTIS:** So, we have a motion from Alderman Jones to recommend to the Committee of the Whole for \$625,000 of ARPA money for Sewer repairs and flow monitoring and a second by Alderwoman Swanson. Any questions? Or comments? Seeing none, roll call.

<b>Clara Hall:</b>	Ald Lewis - Aye	Ald Swanson – Aye
	Ald Prude – Aye	Ald Johnson - Aye
	Ald O'Brien - Aye	Ald Jones - Aye
	Ald Osenga – Aye	Clerk Gall – Aye
	<b>AYES: 8</b>	<b>NAYS: 0</b>

**MAYOR CURTIS:** We will move that to the Committee of Whole Agenda for Monday. It will be recommended to City Council. Thank you. Any questions or comments? Joe, can we can get a copy of that proposal?

**JOE SULLIVAN:** Yes. Thank you.

### **ADJOURNMENT**

**MAYOR CURTIS:** Okay. That was the end of New Business. We have no other further business tonight. And we do not have any have a need for Executive Session. Is there any other questions or comments from us? Yep, see none. Is there a motion to adjourn?

**ALD OSENGA:** So move.

**ALD JOHNSON:** Second.

**MAYOR CURTIS:** Motioned by Alderman Osenga and seconded by Alderwoman Johnson. All in favor?

**ESU BOARD MEMBERS:** Aye.

**MAYOR CURTIS:** We are adjourned.